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PTO/SB/21 (09-04) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/814.399 TRANSMITTAL Filing Date Mar 31, 2004 **FORM** First Named Inventor Quay, Steven C. **Art Unit** 1623 (to be used for all correspondence after initial filing) **Examiner Name** Total Number of Pages in This Submission Attorney Docket 03-02CIP lo Number **ENCLOSURES** (Check all that apply) After Allowance communication to (TC) lx l Fee Transmittal Form Drawing(s) Appeal Communication to Board of Fee Attached via Deposit Licensing-related Papers Appeals and Interferences Account charge Appeal Communication to TC Amendment / Reply Petition (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final **Proprietary Information** Provisional Application Power of Attorney, Revocation Change of Correspondence Address Affidavits/declaration(s) Status Letter Other Enclosure(s) (please identify Extension of Time Request Terminal Disclaimer Х below): Petition to make special under 37 C.F.R.§ 1.102 (d) **Express Abandonment Request Return Receipt Postcard** Information Disclosure CD, Number of CD(s) Statement and foreign patent and literature documents Landscape Table on CD Certified Copy of Priority Document(s) Remarks Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Nastech Pharmaceutical Company Inc Signature Printed name Paul G. Lunn Date January 4, 2005 Reg. No. 32,743 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Signature

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Effective 10/01/2003. Patent fees are subject to annual revision.

X Applicant Claims small entity status. See 37 CFR 1.27

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| Application Number   | 10/814,399  |  |  |  |  |  |
| Filing Date          | 3/31/2004   |  |  |  |  |  |
| First Named Inventor | Quay, et al.  |  |  |  |  |  |
| Examiner Name        |   |  |  |  |  |  |
| Art Unit             | 1623  |  |  |  |  |  |
| Attorney Docket No   | 03-02CIP  |  |  |  |  |  |

| METHOD OF PAYMENT (check all that apply)                                 | FEE CALCULATION (continued) |             |             |             |   |          |
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| X Deposit Account  | Fee<br>Code                 | Fee<br>(\$) | Fee<br>Code | Fee<br>(\$) | Fee Description   | Fee Pald |
| Deposit<br>Account<br>Number   | 1051                        | 130         | 2051        | 65          | Surcharge - late filing fee or oath   |          |
| Deposit Account Name Nastech Pharmaceutical Company Inc.                 | 1052                        | 50          | 2052        | 25          | Surcharge – late provisional filing fee or cover sheet                        |          |
| The Director is authorized to: (check all that apply)                    | 1053                        | 130         | 1053        | 130         | Non-English specification   |          |
| X Charge fee(s) indicated below Credit any overpayments                  | 1812                        | 2,520       | 1812        | 2,520       | For filing a request for ex parte reexamination                               |          |
| Charge any additional fee(s) or any underpayment of fee(s)               | 1804                        | 920*        | 1804        | 920*        | Requesting publication of SIR prior to  |          |
| Charge fee(s) indicated below, except for the filling fee                | 1805                        | 1.840*      | 1805        | 1.840*      | Examiner action Requesting publication of SIR after                           |          |
| to the above-identified deposit account.                                 | 1003                        | 1,040       | 1003        | 1,040       | Examiner action   |          |
| FEE CALCULATION  | 1251                        | 110         | 2251        | 55          | Extension for reply within first month  |          |
| 1. BASIC FILING FEE  | 1252                        | 420         | 2252        | 210         | Extension for reply within second month                                       |          |
| Large Entity Small Entity  | 1253                        | 950         | 2253        | 475         | Extension for reply within third month  |          |
| Fee Fee Fee Fee Fee Description  Code (\$) Fee Paid                      | 1254                        | 1,480       | 2254        | 740         | Extension for reply within fourth month                                       |          |
| 1001 770 2001 385 Utility filing fee                                     | 1255                        | 2,010       | 2255        | 1,005       | Extension for reply within fifth month  |          |
| 1002 340 2002 170 Design filing fee                                      | 1401                        | 330         | 2401        | 165         | Notice of Appeal  |          |
| 1003 530 2003 265 Plant filing fee                                       | 1402                        | 330         | 2402        | 165         | Filing a brief in support of an appeal  |          |
| 1004 770 2004 385 Reissue filing fee                                     | 1403                        | 290         | 2403        | 145         | Request for oral hearing  |          |
| 1005 160 2005 80 Provisional filing fee                                  | 1451                        | 1,510       | 1451        | 1,510       | Petition to institute a public use proceeding                                 |          |
|  | 1452                        | 110         | 2452        | 55          | Petition to revive – unavoidable  |          |
| SUBTOTAL (1) (\$)  | 1453                        | 1,330       | 2453        | 665         | Petition to revive – unintentional  |          |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE                              | 1501                        | 1,330       | 2501        | 665         | Utility issue fee (or reissue)  |          |
| Extra Claims below Fee Pald  | 1502                        | 480         | 2502        | 240         | Design issue fee  |          |
| Total Claims -20**= X x = Independent x                                  | 1503                        | 640         | 2503        | 320         | Plant issue fee   |          |
| Independent Same X = X   | 1460                        | 130         | 1460        | 130         | Petitions to the Commissioner   |          |
| Multiple Dependent =   | 1807                        | 50          | 1807        | 50          | Processing fee under 37 CFR 1.17(q)   |          |
| Large Entity   Small Entity  | 1806                        | 180         | 1806        | 180         | Submission of Information Disclosure Stmt                                     |          |
| Fee Fee Fee Fee Fee Description  Code (\$)                               | 8021                        | 40          | 8021        | 40          | Recording each patent assignment per<br>property (times number of properties) |          |
| 1202 18 2202 9 Claims in excess of 20                                    | 1809                        | 770         | 2809        | 385         | Filing a submission after final rejection (37 CFR 1.129(a))                   |          |
| 1201 86 2201 43 Independent claims in excess of 3                        | 1810                        | 770         | 2810        | 385         | For each additional invention to be examined (37 CFR 1.129(b))                |          |
| 1203 290 2203 145 Multiple dependent claim, if not paid                  | 1801                        | 770         | 2801        | 385         | Request for Continued Examination (RCE)                                       |          |
| 1204 86 2204 43 **Reissue independent claims over original patent        | 1802                        | 900         | 1802        | 900         | Request for expedited examination of a design application                     |          |
| 1205 18 2205 9 **Reissue claims in excess of 20 and over original patent |                             |             | ,           |             | er a acorgii appirossiori   |          |
| SUBTOTAL (2) (\$)  | Other                       | fee (spe    | cify)       | Petition    | to Make Special   | \$130.00 |
| ** or number previously paid, if greater; For Reissues, see above        | *Reduc                      | ced by Bas  | ic Filing   | Fee Paid    | SUBTOTAL (3) (\$) 130.0   | 00       |
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| SUBMITTED BY Complete (if applicable) |              |                                      |        |           |                 |
|---------------------------------------|--------------|--------------------------------------|--------|-----------|-----------------|
| Name (Print/Type)                     | Paul & Lunny | Registration No.<br>(Attorney/Agent) | 32,743 | Telephone | (425) 908-3643  |
| Signature                             | Unit dan     | ~~                                   |        | Date      | January 4, 2005 |

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**Examiner Name** 

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Sheet 1 of 3 Attorney Docket Number 03-02CIP

|                       |              |  | U.S. PATENT               | T DOCUMENTS  |   |
|-----------------------|--------------|--|---------------------------|--|---|
| Examiner<br>Initials* | Cite<br>No.1 | Document Number  Number - Kind Code <sup>2 (# known)</sup> | Issued Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |              | US- 2,703,302  | 03-01-1955                | Merck & Co. Inc.                                   |   |
|                       |              | US- 2,703,303  | 03-01-1955                | Merck & Co., Inc.                                  |   |
|                       |              | US- 2,746,796  | 05-22-1956                | The Pharma-Craft Corporation                       |   |
|                       |              | US- 2,914,222  | 11-24-1959                | Philip Meshberg                                    |   |
|                       |              | US- 3,000,793  | 09-19-1961                | Merck & Co., Inc.                                  |   |
|                       |              | US- 2,951,017  | 08-30-1960                | The Distillers Company Limited                     |   |
|                       | <u> </u>     | US- 3,057,851  | 10-09-1962                | Armour Pharmaceutical                              |   |
|                       |              | US- 3,018,225  | 01-23-1962                | Merck & Co., Inc.                                  |   |
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|                       |              | US- 3,584,115  | 06-08-1971                | Arthur I. Gebhart & Angelo T. Bonduris             |   |
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|                       |              | US- 4,174,295  | 11-13-1979                | Montedison S.p.A.                                  |   |
|                       |              | US- 4,523,341  | 06-25-1985                | Mayor Pharmaceutical Laboratories                  |   |
|                       |              | US- 4,724,231  | 02-09-1988                | Nastech Pharmaceutical, Inc.                       |   |
|                       |              | US- 5,801,161  | 09-01-1998                | Merkus, Franciscus                                 |   |
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|                       |              | US- 5,925,625  | 07-20-1999                | Merkus, Francicus                                  |   |
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| FOREIGN PATENT DOCUMENTS               |              |   |                                |  |   |   |  |
|--|--------------|---|--------------------------------|--|---|---|--|
| Examiner Initials*                     | Cite<br>No.1 | Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> ) | Issue Date<br>MM-DD-YYYY       | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear                                 | T <sup>6</sup>                          |  |
|  |              | EP 0131315 A2   | 02-15-1984                     | Istituto De Angeli                                 |   |   |  |
|  | 1            | EP 0130550 A2   | 06-27-1984                     | Instermedical GmbH                                 |   | 1                                       |  |
| ************************************** |              | PCT WO 86/05988 (International Application<br>Number PCT/US86/00793)  | 10-23-1986<br>Publication Date | Nastech Pharmaceutical<br>Company, Inc.            |   |   |  |
|  |              | PCT WO 86-05987 (International Application Number PCT/US86/00665)   | 10-23-1986<br>Publication Date | Nastech Pharmaceutical<br>Company, Inc.            | Name to 1984 to | *************************************** |  |
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| Examiner  | <br>Date   |  |
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|                        |                           |          | & TRAUEN   | Application Number     | 10/814,399  |
| INF                    | ORMATION DISC             | CLOSI    | URE        | Filing Date            | 03/31/2004  |
| STATEMENT BY APPLICANT |                           |          |            | First Named Inventor   | Steven C. Quay et al.                                   |
|                        |                           |          |            | Art Unit               |   |
|                        | (Use as many sheets as ne | cessary) |            | Examiner Name          |   |
| Sheet                  | 2                         | of       | 3          | Attorney Docket Number | 03-02US   |
|                        |                           |          |            |                        |   |

|                       |             | NON PATENT LITERATURE DOCUMENTS  |                |
|-----------------------|-------------|--|----------------|
| Examiner<br>Initials* | Cite<br>No. | and/or country where published.  | T <sup>2</sup> |
|                       |             | RAYMOND W. MONTO, JOHN W. REBUCK, MICHAEL BRENNAN, Crystalline B <sup>12</sup> Inhallation Theraphy in Perniciouos Anemia, The American Journal of the Medical Sciences, 2-1953, Pages 113-119, Publisher: Division of Hematology and Department of Laboratories, The Henry Ford Hospital, Detroit, Michicagn Published in: Detroit, MI, US  |                |
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Under the Paperwork Reduction Act of 1995, no persons are required respond to a collection of information unless it displays a valid OMB control number. & TRAD Substitute for form 1449B/PTO Complete if Known Application Number 10/814,399 **INFORMATION DISCLOSURE** Filing Date 3/31/2004 First Named Inventor STATEMENT BY APPLICANT Steven C. Quay et al. Art Unit 1632 (Use as many sheets as necessary) Examiner Name Sheet 3 3 Attorney Docket Number 03-02US

|   |             | NON PATENT LITERATURE DOCUMENTS  |                |
|---|-------------|--|----------------|
| Examiner<br>Initials*                   | Cite<br>No. | and/or country where published   | T <sup>2</sup> |
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|   |             | U.S. DEPARTMENT OF HEALTH AND HUMANS SERVICES, Guidance for Industry, Nasal spray and inhalation solution, suspension, and spray drug products-chemistry, manufacturing, and controls documentation, 07/2002, Pages 1-44, Food and Drug Administration, Center for Drug Evaluation and Research, Rockville, MD, US   |                |
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